



Human Cyclin-dependent kinase 4,CDK-4 ELISA Kit

Product Code	CSB-E09174h
Abbreviation	CDK4
Protein Biological Process 1	Cell Cycle
Target Name	cyclin-dependent kinase 4
Uniprot No.	P11802
Alias	CMM3, MGC14458, PSK-J3, cell division kinase 4 melanoma cutaneous malignant, 3
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Cell cycle
Sample Types	serum, plasma
Detection Range	0.156 ng/mL-10 ng/mL
Sensitivity	0.039 ng/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cell Biology
Gene Names	CDK4
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human CDK4 ELISA Kit was designed for the quantitative measurement of Human CDK4 protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 0.156 ng/mL-10 ng/mL and the sensitivity is 0.039 ng/mL.

Target Details

This protein is a member of the Ser/Thr protein kinase family. This protein is highly similar to the gene products of *S. cerevisiae* cdc28 and *S. pombe* cdc2. It is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression. The activity of this kinase is restricted to the G1-S phase, which is controlled by the regulatory subunits D-type cyclins and CDK



inhibitor p16(INK4a). This kinase was shown to be responsible for the phosphorylation of retinoblastoma gene product (Rb). Mutations in this gene as well as in its related proteins including D-type cyclins, p16(INK4a) and Rb were all found to be associated with tumorigenesis of a variety of cancers. Multiple polyadenylation sites of this gene have been reported.

Msd

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